computar GANZ

CCTV Solutions 2006-2007

C C T V S Y S T E M S

A system is only as strong as its components.

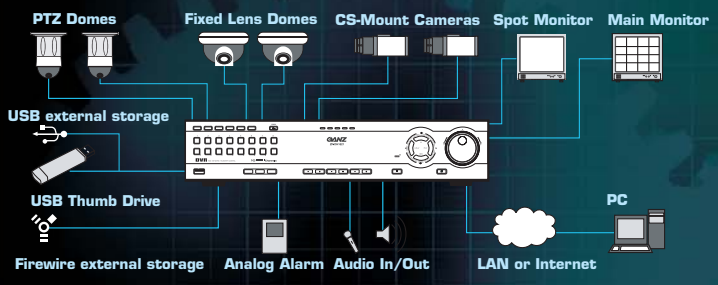
For over 25 years, CBC Corp. has been a leader in the manufacture of CCTV components. Our expansive product line and world-class customer support have made us the choice of businesses large and small.

Our Computar® lenses and Ganz® cameras have set the industry standard, earning the respect and confidence of security professionals worldwide.

To meet the ever-increasing demands of evolving technology, we've expanded our product range to include a variety of digital recorders and PTZ domes, offering end-to-end system solutions.

With technical support and service teams in New York and Los Angeles, we guarantee that every product and system we sell delivers the quality and reliability that defines our brands.

For more information, or a free consultation, call us or visit our website at www.cbcamerica.com.



PTZ Domes

Fully-programmable pan-tilt-zoom domes with a variety of indoor and outdoor mounting options. Control these domes directly through our DVRs or with a separate controller.

Fixed Cameras

A full range of cameras for every surveillance need: B/W, Color, Day/Night, and Wide Dynamic Range.

IP Products

Remote viewing and recording over a LAN or the Internet, made simple with our IP cameras and servers.

Lenses

Computar: The industry's gold standard for lenses. Combine the highest-quality optics with our cameras for a security system you can bank on.

Monitors

High-res monitors from 9" to 21", including Color and B/W models. Many models feature integrated audio. Our line also features high-res flat-panel monitors.

Recorders

Versatile, powerful, and user-friendly, our 4-, 9-, and 16-channel DVRs support up to 1.2 TB of internal storage for up to 90 days of recording.

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www.cbcamerica.com

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may we introduce...

T3Z2910CS

2.9-8.2mm Lens

Varifocal lens with 1/3" 2.9-8.2mm in manual and DC A/I versions. Offering aspherical technology for maximum low-light performance and standard locking set screws for zoom and focus rings. *Please see page 17.*

HG2Z0414FC-MP

4-8mm Megapixel Lens

The ***first of its kind*** in the industry, combining mega-pixel, varifocal, and auto-iris technology in one lens! This 1/2" 4-8mm DC A/I lens provides far superior optical clarity to that of a standard varifocal. *Please see page 17.*

ZC-D3039NSA

540 TVL Super Hi-Res Dome Camera

Model ZC-D3039NSA offers all the same features and mounting options as our 3000 series domes with the addition of a super hi-res 540 line CCD and a 3-9mm F1.2 auto iris varifocal lens. *Please see page 5.*

YCH-03A

540 TVL Digital Day/Night CS Camera

High-performance, hi-res color Day/Night camera with 540 lines of resolution at 0.8 lux in Day/Night mode with digital signal processing and Sony CCD. *Please see page 3.*

CX-2 Series

Outdoor Cameras with New Day/Night Option

A new and improved CX Series outdoor housing combined with our day/night board camera provides enhanced low-light performance in a discreet, compact package. New housing includes a feed-thru bracket, sunshield, and 12VDC/24VAC option. *Please see page 4.*

DR4N Series

4 Channel DVR

The DR4N is a full-featured unit that includes optional CD-RW drive and PTZ control, 704x480 resolution, 120 fps, MPEG-4 compression, networking, USB-2 port for data archiving. Three hard drive slots provide up to 1.2TB storage capacity. Also available in convenient, pre-configured kits. *Please see page 10.*

ZR-DH921NP Series

9 Channel DVR

Model ZR-DH921NP 9-channel triplex networking DVR complements our current 16-channel unit with the same features and performance. It includes 120 fps recording speed and up to 1.2 Terabyte hard disk capacity. *Please see page 10.*

CBC (America) Corp. is dedicated to providing the highest quality CCTV products backed by a commitment to first-class customer service and technical support. Following the market trend and using our lens manufacturing expertise, we continue to enhance our line of varifocals, digital and mechanical Day/Night cameras, and an expanded range of indoor and outdoor camera mounting options. In addition to increasing our complete system lineup, we have introduced 4- and 9-Channel Networkable DVRs, improved 22X or 23X PTZ Domes and accessories, Super Hi-Res Color Day/Night cameras, and complete system kits.

With fully-stocked warehouses in both New York and Los Angeles, CBC (America) Corp. assures same-day shipment on most items. Both offices have full technical support and repair facilities, and regional sales staff covering all of North and South America.

For more information on these quality GANZ CCTV products or our full line of COMPUTAR CCTV lenses, please contact us at 800-422-6707 (NY) or 800-888-0131 (CA) or visit us online at www.cbcamerica.com.

IRL Series

IR LED Illuminators

IRL Series IR illuminators include 30° or 60° long-life IR LEDs for medium-distance infrared illumination. 24VAC power input with photo cell. Perfect for 24-hour surveillance combined with our Propak day/night kits. *Please see page 15.*

CBZ-24

Lens Controller

Model CBZ-24 is an economical controller providing zoom, iris, and focus controls for our standard motorized zoom lenses, along with pan-and-tilt control functions. Requires 24VAC power. *Please see page 15.*

PTZ Dome System

Fully-programmable, compact hi-res PTZ domes. The 23x includes optical zoom, WDR, and true Day/Night features. The ideal surveillance solution with built-in high-speed pan/tilt assembly, a variety of programming functions and mounting options, and built-in multi-protocols. Combine with the new dedicated 3-axis keyboard controller and ZR-Series DVRs for a complete video surveillance systems solution. *Please see page 12.*

Network Security System

Professional surveillance system, scalable to any size security needs in diverse network environments. Advanced MPEG-4 compression for live monitoring of two 16-channel groups while recording at up to 960 fps. Network day/night camera and new one-channel video server w/PTZ package offer true 24-hour remote surveillance. *Please see page 13.*

cs-mount cameras

FC-62D/FCH-62

B/W and Hi-Res B/W 1/3" Cameras

Standard and hi-res, full-featured B/W cameras offer patented backlight compensation with "high-light slicing." DC or Video Auto iris lens compatibility, easy back focus adjustment wheel and 12VDC/24VAC auto sensing dual voltage input, and Sony CCD.

Resolution:	380/570 horizontal lines
Sensitivity:	0.09/0.18 lux @ F1.2/50 IRE
Power:	24VAC/12VDC auto sensing
Dimensions:	60 (W) x 46 (H) x 95 (D) mm 2.36" (W) x 1.81" (H) x 3.74" (D)
Models	
FC-62D	Standard B/W
FCH-62	Hi-Res B/W

YC/YCH Series

Color, Hi-Res Color and Digital Day/Night Cameras

Standard and hi-res, full-featured color and digital Day/Night cameras offer patented backlight compensation with "high-light slicing," DC or Video Auto Iris lens compatibility, easy back focus adjustment wheel and 12VDC/24VAC auto sensing dual voltage input. Digital signal processing and Sony CCD assure excellent color reproduction.

Resolution:	330/480 horizontal lines
Sensitivity:	0.6/1.2 lux @ F1.2/50 IRE
D/N Sensitivity:	0.2/0.4 lux @ F1.2/30 IRE
Power:	24VAC/12VDC auto sensing
Dimensions:	60 (W) x 46 (H) x 95 (D) mm 2.36" (W) x 1.81" (H) x 3.74" (D)
Models	
YC-02C	Standard Color
YCH-02A	Hi-Res Color
YC-02D	Standard Color Day/Night
YCH-02B	Hi-Res Color Day/Night

BL-101/BLH-201

B/W and Hi-Res B/W 1/3" Cameras

Economy series standard or hi-res B/W cameras provide full-featured performance at an extremely competitive price. 12VDC/24VAC dual voltage, backlight compensation, DC or Video A/I compatibility, and Sony CCD.

Resolution:	380/570 horizontal lines
Sensitivity:	0.07/0.14 lux @ F1.2/50 IRE
Power:	24VAC/12VDC auto sensing
Dimensions:	55 (W) x 40 (H) x 102 (D) mm 2.17" (W) x 1.58" (H) x 4.02" (D)
Models	
BL-101	Standard B/W
BLH-201	Hi-Res B/W

CL-301/CLH-401

Color and Hi-Res Color 1/3" Cameras

Economy series standard or hi-res color cameras provide full-featured performance at an extremely competitive price. 12VDC/24VAC dual voltage, backlight compensation, DC or Video A/I compatibility and Sony CCD.

Resolution:	330/480 horizontal lines
Sensitivity:	0.8/1.6 lux @ F1.2/50 IRE
Power:	24VAC/12VDC auto sensing
Dimensions:	55 (W) x 40 (H) x 102 (D) mm 2.17" (W) x 1.58" (H) x 4.02" (D)
Models	
CL-301	Standard Color
CLH-401	Hi-Res Color

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cs-mount cameras

ZC-NH255N

Hi-Res Color Day/Night Camera w/Mechanical Shutter

Hi-Res color D/N camera provides color images during the day and high sensitivity B/W images at night. Fast 1.5 second Day/Night switching, digital signal processing and Sony CCD assure excellent color reproduction.

Resolution:	480 horizontal lines
Sensitivity:	0.08 lux @ F1.2/50 IRE (Night Mode)
Power:	24VAC/12VDC auto sensing
Dimensions:	60 (W) x 46 (H) x 95 (D) mm 2.36" (W) x 1.81" (H) x 3.74" (D)

DAY/NIGHT CAM

ZC-NH403N

Hi-Res Color Day/Night Camera w/Mechanical Shutter

Full-featured true Day/Night camera offers brilliant hi-res color images by day and crisp B/W images at night via mechanical removal of the IR cut filter. The unit features six selectable backlight patterns, RS-485 control, Sony EX-View CCD, outdoor housing option.

Resolution:	480 horizontal lines
Sensitivity:	0.06 lux @ F1.2/50 IRE (Night Mode)
Power:	24VAC/12VDC auto sensing
Dimensions:	76 (W) x 61 (H) x 123 (D) mm 2.99" (W) x 2.40" (H) x 4.85" (D)

DAY/NIGHT CAM

YCH-03A

540 TVL Super Hi-Res Color Digital Day/Night Camera

An incredible value in high-performance, hi-res color, digital Day/Night video cameras, with the same quality and reliability as the workhorse FC and YC series. The YCH-03A offers a stunning 540 lines of resolution at 0.8 lux in Day/Night mode. An advanced, easy Day/Night function with ON/OFF switch, digital signal processing, and Sony CCD assure excellent color reproduction.

Resolution:	540 horizontal lines
Sensitivity:	1.2 lux sensitivity @ F1.2/50 IRE D/N off/0.8 lux D/N on 50 IRE
Power:	24VAC/12VDC auto sensing
Dimensions:	60 (W) x 46 (H) x 95 (D) mm 2.36" (W) x 1.81" (H) x 3.74" (D)

DAY/NIGHT CAM

ZC-YHW701N

Hi-Res Color WDR* Camera

Hi-Res color camera in a super-compact 2.2" design. Ideal for tackling the toughest backlighting problems. 12VDC/24VAC dual voltage, backlight compensation, DC A/I compatibility and Sony CCD. Lens not included.

Resolution:	480 horizontal lines
Sensitivity:	1.0 lux @ F1.2/50 IRE
Power:	24VAC/12VDC auto sensing
Dimensions:	53 (W) x 55 (H) x 56 (D) mm 2.09" (W) x 2.17" (H) x 2.21" (D)

*Wide Dynamic Range (WDR) minimizes common backlighting problems and provides balanced exposure of both bright and dark areas within the same scene.

specialty cameras & domes

Spot Cam/ZC-L1000 Series

Hi-Res B/W & Color Cameras w/Integrated Varifocals

A discreet, stylish housing combined with a new 2.8-10mm extended range varifocal makes this camera/lens combination the perfect general purpose camera with high resolution performance. Camera is shown with optional mounting bracket. NVT transmitter is also available. *For full accessory information, please see product sheet.*

Resolution:	B/W 570 horizontal lines Color 480 horizontal lines
Sensitivity:	B/W 0.5 lux @ F1.2 Color 1.5 lux @ F1.2
Power:	24VAC/12VDC auto sensing
Dimensions:	2.16" (W) x 2.40" (H) x 4.80" (D)

Models

ZC-L1210NHAK: Color camera kit with bracket
ZC-L1210EHAK: B/W camera kit with bracket

FEED-THROUGH BRACKET

CX-2 Series

B/W, Color and Hi-Res Color, Day/Night Outdoor Cameras w/Integrated Varifocals

The CX-2 series is new and improved, combining an anodized weatherproof housing with removable sunshield and integrated wall bracket. With an IP67 rating, this camera will handle the toughest outdoor environments. Options include B/W, Color or Hi-Res Color models with 2.8-10mm A/I. New to the series is a mechanical Day/Night option with a 3-9mm A/I lens.

Resolution:	B/W 380 horizontal lines Color 330 & 480 horizontal lines
Sensitivity:	B/W 0.1 lux/Color 1.0 lux @ F1.2 Hi-Res Color 1.5 lux @ F1.2 Hi-Res Color D/N 0.21 lux @ F1.4
Power:	24VAC/12VDC auto-sensing
Dimensions:	50 Dia. x 91.25(L)mm w/o bracket 1.99" Dia. x 3.59"(L) w/o bracket

Models

CX-EV310A-2:	Std B/W 2.8-10mm A/I
CX-NV310A-2:	Std Color 2.8-10mm A/I
CXH-NV310A-2:	Hi-Res Color 2.8-10mm A/I
DXH-NV39A:	Hi-Res Color D/N 3-9mm A/I

DAY/NIGHT CAM

LVC-C310HM

Hi-Res Color Day/Night Camera with 27X AF Zoom

An all-purpose camera for OEM inspection or surveillance applications. Camera offers a full range of features including 27x optical and 10x digital zoom, mechanical day/night feature, manual or auto focus mode, S–Video input, on-screen display, and remote zoom and focus control with DC voltage.

Resolution:	Color 480 horizontal lines
Sensitivity:	Color 1.0 lux @ F1.6 day mode 0.1 lux@ F1.6 night mode
Power:	12VDC
Dimensions:	57 (W) x 62.4 (H) x 98.5 (D) mm 2.25" (W) x 2.46" (H) x 3.88" (D)

MD-E36/MDC-N30

B/W and Color Mini Dome Cameras

A quality, dependable dome with low cost in mind! The domes are available in standard B/W (3.6mm lens) or Color (3.0mm lens) versions. A super-compact size of 2.9" (diameter) makes it ideal for discreet installation and allows for a wide range of surveillance applications. Color version includes Sony CCD.

Resolution:	B/W 380 horizontal lines Color 350 horizontal lines
Sensitivity:	B/W 0.5 lux @ F2.0 Color 1.0 lux @ F2.0
Power:	12VDC
Dimensions:	75mm Dia. X 54 (H) mm 2.96" Diameter x 2.13" (H)

zc-d3000 series domes

ZC-D3000 Series

Hi-Res B/W/Color/Super Hi-Res Color, and Day/Night Domes

GANZ ZC Series domes offer full-featured performance and maximum flexibility for both indoor and outdoor installations. Available in Hi-Res B/W, Hi-Res Color, and Day/Night, or Super Hi-Res Color model with a choice of varifocal lenses for specific requirements. Mounting accessories include flush mount, pendant mount, and wall mount brackets in both indoor or tamperproof outdoor versions. Available with pre-installed NVT transmitter for video transmission over CAT 5 cable.

Resolution:	B/W 570 horizontal lines Color 480 horizontal lines Super Hi/Res color 540 horizontal lines D/N 480 horizontal lines
Sensitivity:	B/W: 0.2 lux @ F1.2 Color: 1.5 lux @ F1.2 Super Hi-Res Color @ 1.5 lux
D/N Color:	0.21 lux @ 50 IRE
Power:	24VAC/12VDC auto sensing
Dimensions:	128mm (Dia.) x 101mm (H) 5.03" (Dia.) x 3.97" (H)
Exterior Housing:	148mm (Dia.) x 109mm (H) 5.83" (Dia.) x 4.29" (H)

ZC-D3000 Series Dome Models

Lens Type	Hi-Res B/W Dome	Hi-Res Color Dome
2-4mm Varifocal	ZC-D3024EHA	ZC-D3024NHA
2.8-10mm Varifocal	ZC-D3210EHA	ZC-D3210NHA
5-50mm Varifocal (A/I)	ZC-D2550EHA	ZC-D2550NHA
5-50mm Varifocal (M/I)	ZC-D2550EH	ZC-D2550NH
3-9mm D/N Varifocal		ZC-DN3039NHA
3-9mm Super Hi-Res Varifocal	***New 540 TVL***	ZC-D3039NSA
4-7.5mm D/N Varifocal		ZC-DN3048NHA

NVT Module Option: Add Suffix T for preinstalled NVT transmitter. Outdoor Housing Kits: ZC Series Domes can be ordered as a Kit with the ZC-OH2 Outdoor Housing. Please see our website or price list for Kit model numbers.

Indoor Mounting Options

SURFACE MOUNT
Standard

PENDANT MOUNT
Model No. ZC-PM1

FLUSH MOUNT
Model No. ZC-FM2

WALL MOUNT
Model No. ZC-WM1

Outdoor/Impact-Resistant Mounting Options

ZC-OH2
Outdoor Housing for ZC-D3000 Series Domes

PENDANT MOUNT
Model No. ZC-PM2

CONDUIT BASE MOUNT
Model No. ZC-CB2

OUTDOOR WALL MOUNT
Model No. ZC-WM2

zc-d6000 series domes

ZC-D6000 Series

B/W or Hi-Res Color Domes

GANZ ZC-D6000 Series domes offer full-featured performance and maximum flexibility for both indoor and outdoor installations. The domes are available in either Standard B/W with 4–9mm A/I or Hi-Res Color with 3–9mm A/I varifocal lens. Mounting accessories include interior flush mount, interior/exterior pendant mount, and interior/exterior wall bracket with pendant.

Resolution:	B/W 380 horizontal lines Hi-Res Color 480 horizontal lines
Sensitivity:	B/W 0.12 lux @ f1.2/50 IRE (4-9mm A/I lens) Hi-Res Color 1.0 lux @ F1.2/50 IRE (3-9mm A/I lens)
Power:	24VAC/12VDC auto sensing
Dimensions:	128 (Dia.) x 103 (H) mm (indoor surface mount) 5.04" (Dia.) x 4.06" (H)
Exterior Housing:	148mm (Dia.) x 117mm (H) 5.83" (Dia.) x 4.61" (H)

ZC-D6000 Series Dome Models

Model	Camera Type	Description
Indoor		
ZC-D6049EA	B/W	380 lines, 4-9mm A/I lens
ZC-D6039NHA	Hi-Res Color	480 lines, 3-9mm A/I lens
Outdoor		
ZCOH6-39NHS	Hi-Res Color	480 lines, 3-9mm A/I lens surface mount
ZCOH6-39NHF	Hi-Res Color	480 lines, 3-9mm A/I lens flush mount

Indoor Mounting Options

SURFACE MOUNT
Standard

PENDANT MOUNT
Model No. ZC6-PM2

FLUSH MOUNT
Model No. ZC-FM2

WALL MOUNT
Model No. ZC6-WM1

Outdoor/Impact-Resistant Mounting Options

SURFACE MOUNT
ZCOH6-39NHS

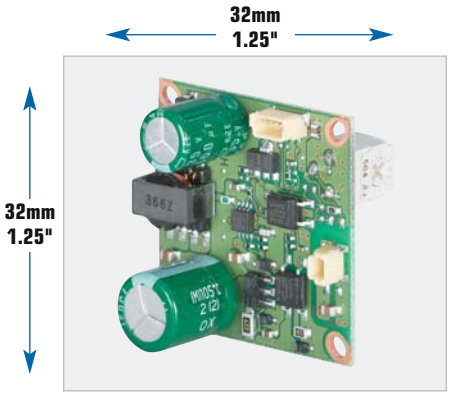
FLUSH MOUNT
ZCOH6-39NHF
(Includes Gang Box Adapter Plate)

PENDANT MOUNT
Model ZC-PM2

WALL MOUNT
Model No. ZC-WM2

b/w & color board cameras

CBC's line of 1/4" format 32x32mm board cameras offers maximum flexibility for OEM applications. Cameras are available in B/W or Color and Day/Night in standard or hi-res, all on a single board. Features include DC auto iris output, DSP controls for backlight compensation and gain control, DC level adjustment, and an optional 12VDC/24VAC power board. Mounting options include CS Mount, fixed lens mount, pinhole lens, and varifocal lens mount. NTSC/EIA and PAL/CCIR versions are available.



Optional Power Board
PW-S24, Dual Voltage 12VDC/24VAC

Optional Housing
EM2-H
(housing appearance subject to change)

Camera Series	Camera Type	Resolution (Lines/in.)	Sensitivity (lux@F1.2)	Shutter Speed (AES)	Voltage (VDC)
MM112	B/W	380	0.24	1/60 - 1/100,000	12
MMH112	Hi-Res B/W	580	0.48	1/60 - 1/100,000	12
CM112	Color	330	0.8	1/60 - 1/20,000	12
CMH112	Hi-Res Color	480	1.5	1/60 - 1/20,000	12
DMH112	Hi-Res Color D/N	480	0.28	1/60 - Fixed	12

Lens Mounting Options

Fixed Iris Lenses:	1.6mm, 1.9mm, 2.0mm, 2.5mm, 2.9mm, 3.8mm, 6.0mm, 8.0mm, 12.0mm
Varifocal Lenses:	2-4mm, 3-6mm, 4-9mm, 3-9mm, 2.8-10mm, 3-9mm D/N, 4-7.5mm D/N
Pinhole Lenses:	2.9mm
CS-Mount:	Can use most fixed-iris, manual iris, or DC auto-iris monofocal/varifocal lenses. (For CS-Mount DC auto-iris lenses, use Model DCAI-112 A/I cable adapter.)

Note: Not all lenses shown above are stock items. Call for availability.

BH-1 Series Housing

Weather/Tamper-Resistant Housings w/Pre-Installed Cameras

Our board cameras are now available preinstalled as a kit in our BH-1 Series Housing, B/W or Color options with 2.5 or 6mm fixed iris lens. All camera options include backlight compensation and auto electronic shutter for indoor or outdoor use. Wall, ceiling, or corner mount with optional bracket. The BH-1 is weather-sealed aluminum housing with 3/16" polycarbonate window and tamperproof key lock. Mounting hardware and BNC connector included.

OPTIONAL CORNER MOUNT ADAPTER

2.9mm PINHOLE LENS

STANDARD FIXED LENS

AUTO-IRIS VARIFOCAL LENS

D/N AUTO-IRIS VARIFOCAL LENS

BH-1 HOUSING

cctv monitors

CEM Series B/W Monitors

9", 12", & 15" B/W Hi-Res Monitors with Audio

The GANZ 9," 12" & 15" B/W Hi-Res industrial grade monitors have been developed with an eye toward performance and durability. The monitors are perfect for any hospital, casino, convenience store, and bank applications for use as your main viewing station.

Resolution:	800 lines horizontal
Video Inputs:	1 Video In, 1 Video Out (BNC)
Power:	AC 100 - 240V, 50/60Hz
Dimensions & Models:	
CEM-09A-2	8.74"(W) x 9.37"(H) x 9.84"(D)
CEM-12A-2	11.96"(W) x 12.6"(H) x 12.2"(D)
CEM-15A*	350(W) x 350(H) x 360(D)mm 13.8"(W) x 13.8"(H) x 14.2"(D)

ZM-CR315NP-US & ZM-CR321NP-US

15" & 21" Color Flat Screen CRT Monitor with Audio

Features include NTSC or PAL compatibility, two audio inputs/outputs (RCA), on-screen adjustment display, and industrial-grade metal housing. New flat screen CRT minimizes distortion and reflection.

BACK PANEL

Resolution:	15" - 400 lines resolution 21" - 500 lines resolution
Video Input:	2 Video In, 2 Video Out (BNC)
Audio Input:	2 Audio In, 2 Audio Out (RCA)
Power:	15" - AC 100 - 240V, 50/60Hz 21" - AC 100 - 240V, 50/60Hz
Dimensions:	15" - 365(W) x 342(H) x 391(D)mm 14.4"(W) x 13.5"(H) x 15.4"(D) 21" - 485(W) x 435(H) x 475(D)mm 19.1"(W) x 17.1"(H) x 18.7"(D)

CEC-CMH19A

19" Super Hi-Res Color Monitor

19" NTSC- or PAL-compatible monitor offering advanced features that you would expect from a professional rack mount monitor, including over/under scan control; three audio inputs/outputs (RCA); 10-function on-screen display; industrial-grade metal housing. Rack mount is standard with monitor.

Resolution:	800 lines horizontal
Video Input:	3 Video In, 3 Video Out (2 BNC/1 S-VHS)
Audio Input:	3 Audio In, 3 Audio Out (RCA)
Power:	AC 100 - 240V, 50/60Hz
Dimensions:	448(W) x 434(H) x 448(D)mm 17.6"(W) x 17.1"(H) x 17.6"(D)

ZM-L17A

17" Hi-Res Color LCD Monitor

The ZM-L17A color LCD monitor features active matrix screen with outstanding resolution, contrast, and brightness, and VGA and composite video inputs for use with a PC or analog CCTV camera. Slim, lightweight design with optional wall and rack mount accessories for a wide variety of security applications.

Resolution:	1280 x 1024/SXGA
Inputs:	BNC Video In and Out, S-Video In, Left and Right Audio IN, D-Sub (VGA) IN
Power:	AC 100 - 240V, 50/60Hz
Dimensions:	400(W) x 387.9(H) x 191.7(D)mm 14.4"(W) x 13.5"(H) x 15.4"(D)
Power:	Max. 51 w/standby 3W

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VCRs, quads & mux

CTR-024N-2

24-Hour Timelapse VCR

Economical VCR features 2-, 12-, and 24-hour recording with time and date display and various programmable recording modes.

Record Time:	Up to 24 hours (T-120 tape)
Modes:	2, 12, 24 hours
Resolution:	B/W - 350 lines (2H Color - 300 lines (2H)
Power:	AC 100 - 240V, 50/60Hz
Dimensions:	360 (W) x 94 (H) x 270 (D) mm 14.2"(W) x 3.7"(H) x 10.6"(D)

CTR-030NC-2

30-960 Hour Real-Time VCR

Up to 960 hours (time-lapse) or 30 hours (real-time) recording time with T-120 tape; Alarm/Sensor/Timer recording and on-screen tape counter and hour meter.

Record Time:	Up to 960 hours (T-120 tape)
Modes:	Real-Time - 6, 18, 30 hours Timelapse - up to 960 hours
Resolution:	B/W - 350 lines (2H) Color - 300 lines (2H)
Power:	AC 100 - 240V, 50/60Hz
Dimensions:	360 (W) x 94 (H) x 270 (D) mm 14.2"(W) x 3.7"(H) x 10.6"(D)

DPLEX-16-ECO

16-Channel Color Duplex Multiplexer

Color duplex multiplexer provides recording, live display and playback at the same time using B/W or color cameras. Features include video motion detection, 2x digital zoom, and individual camera adjustments for color, brightness and contrast.

Video Inputs:	16 inputs with loop-through
Motion Detection:	15 x 12 grids per camera
Recording Speed:	25 images/sec
Digital Zoom:	2x with digital pan/tilt
Power:	12VDC, 1.25 amps (supplied)
Dimensions:	432 (W) x 76 (H) x 311 (D) mm 17"(W) x 3.0"(H) x 12.25"(D)

QD-04N

Color Quad Splitter

High-quality, low-cost color video processors can display and record four cameras simultaneously and operate as sequential switchers, displaying each camera as a full-screen image or part of a sequence. On-screen menus program alarm, camera titling, time and date, and more.

Resolution:	720 x 480 pixels
Video Input:	4 camera; 1 VCR
Video Output:	1 monitor & 1 quad
Dwell Time:	1 - 99 seconds adjustable
Power:	12VDC (power supply included)
Dimensions:	240 (W) x 45 (H) x 150 (D) mm 9.45"(W) x 1.8"(H) x 5.9"(D)

digital recorders

ZR-DH111NP Series

Single-Channel Digital Video Recorder with Audio

Features include 160GB HDD or 250GB HDD capacities, networking capability, archiving via compact flash card, jog shuttle, and audio recording.

Video Input:	Composite video signal
HDD Options:	40GB, 160GB or 250GB
Record Speed:	60 images/sec.
Resolution:	720 x 484/6 quality levels
Dimensions:	430(W) x 88(H) x 300(D) mm 16.9"(W) x 3.5"(H) x 11.8"(D)

INCLUDES HANDHELD REMOTE AND THUMB DRIVE

DR4N Series

4-Channel Digital Video Recorder

Economical 4-channel DVR with full-featured performance and user-friendly operation. Accepts up to 1.2TB of internal storage (3xHDD) for more than 60 day recording at 704x480 (4cif) resolution. MPEG-4 compression saves high-quality images at smaller file sizes and allows more efficient transmission over Ethernet. USB-2 port and optional CD-R/W drive for fast, easy archiving.

Video Input:	4Ch NTSC/PAL
HDD:	160GB, 250GB, or 500GB
Record Speed: (NTSC/PAL)	352x240 120/100 ips 704x240 60/50 ips 704x480 30/25 ips
Resolution:	NTSC: 352x240, 704x240, 704x480 PAL: 352x288, 704x288, 704x576
Dimensions:	360(W) x 66(H) x 360(D) mm 14.2" x 2.6" x 14.2"

ZR-DH921NP/ZR-DH1621NP Series

9- & 16-Channel Digital Video Recorder

Our ZR-series DVRs offer compact, versatile, and powerful recording functions in 9- and 16-channel models. 'Always-On' Triplex Recording allows the user to record while viewing live and playback video simultaneously in multi-screen mode, with the added functionality of full remote control and configuration over a network connection. These DVRs support four internal HDD (for up to 1.2TB) and up to 20 external storage devices (CD-R/W and HDD) via FireWire. Removable media, such as a memory stick or CD-R, support data portability via the front panel USB port. Wavelet compression reduces individual image sizes for more efficient use of disk space. Our new external controller will support most PTZ devices and allow full control of all front panel DVR functions.

Video Input:	Composite video signal, 9/16 BNC inputs
Audio:	1 in/1 out
HDD:	Up to 1.2TB
Record Speed:	120 images/sec.
Resolution:	720 x 240/360 x 240 7 quality levels
Dimensions:	432(W) x 88(H) x 450(D) mm 17.0" x 3.46" x 17.7"

16-CHANNEL BACK PANEL

Download the Ganz DVR Storage Calculator:

www.cbcamerica.com/cctvprod

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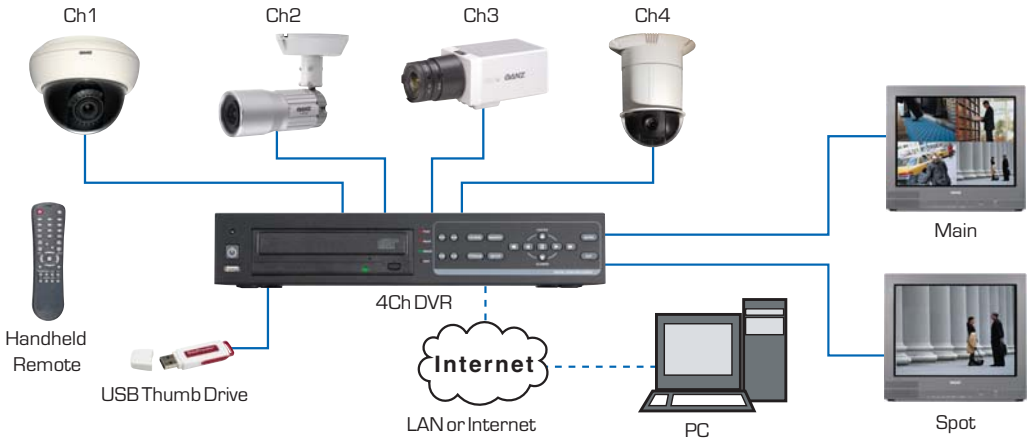
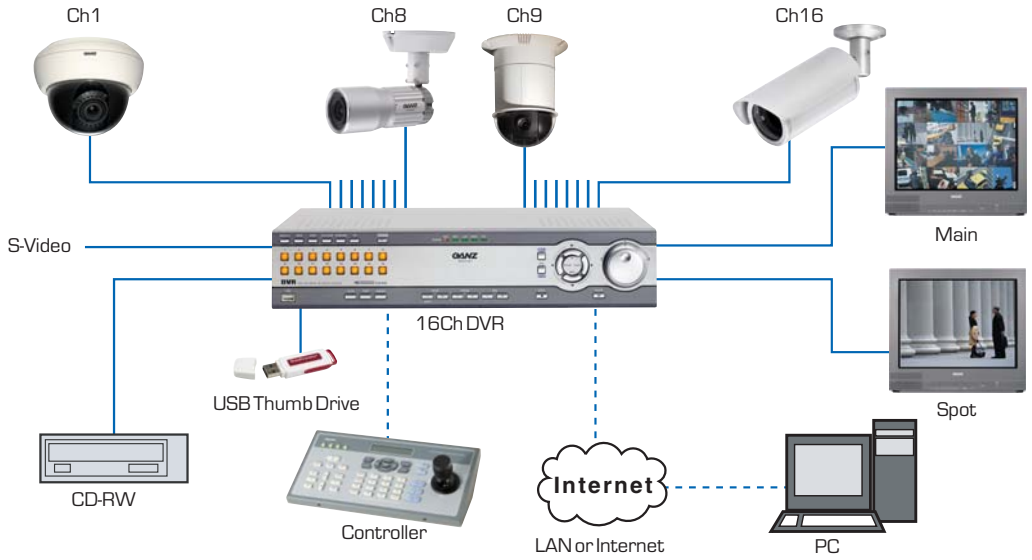
digital recorders

4 Channel Digital System with PTZ Domes



16 Channel Digital System with PTZ Domes



Accessories

Expand Your System's Capabilities

A. ZCA-SC201 PTZ DOME/DVR CONTROLLER
B. CD-WRITER
C. THUMB DRIVE

Kits

A System Solution Built Just for You

Our pre-configured kits are customized to your specifications to suit your company's security needs.

ptz domes & accessories

ZC-PT222N & ZC-PT223N

22X & 23X PTZ Domes

GANZ's new compact 22X and 23X high-resolution PTZ dome cameras are fully programmable with a variety of mounting options for use in a wide range of indoor and outdoor applications. The optical-zoom 23X model includes a true mechanical Day/Night feature, as well as Wide Dynamic Range (WDR) mode for exceptional low light performance (0.01lux) and backlight compensation.

This new PTZ dome provides the ideal surveillance solution, with built-in high-speed (400°/sec) pan/tilt assembly and a variety of programming functions, including: auto pan, preset patrol tour, cruise tour, auto home position return, auto flip, scheduling, privacy masking, and advanced alarm handling. The built-in multi-protocol function allows flexibility and expandability in environments with existing infrastructure.

Combined with our new dedicated 3-axis keyboard controller and ZR-Series DVR, this PTZ dome fits neatly into our complete video surveillance systems solution.

- 480-line high resolution
- Mechanical Day/Night and Wide Dynamic Range features (23X model)
- 0.01 lux low-light frame integration feature (23X model)
- 360° continuous pan rotation plus auto-flip feature
- Full range of programmable presets, patrol tours, auto pan, cruise tour, and auto home return
- Privacy zones, zone titles, scheduling, advanced alarm-handling, and built-in multi protocols
- 24VAC power input

Models

ZC-PT222N	Indoor Hi-res color 22X Surface Mount Dome
ZC-PT223N	Indoor Hi-res WDR, Day/Night 23X Surface Mount Dome
ZC-PT222N-XT	Outdoor IP66 Hi-res color 22X Dome
ZC-PT223N-XT	Outdoor IP66 Hi-res WDR, Day/Night 23X Dome

Accessories

ZCA-SC201	3 axis joystick controller
ZCA-TB200	Indoor flush mount
ZCA-IPA/ ZCA-PMA-Q	Indoor Pendant mount kit (1-1/4" size)
ZCA-IPA/ ZCA-GT200	Indoor Wall mount kit
ZCA-PMA-Q	Outdoor Pendant mount (1-1/4" size)
ZCA-GT200	Outdoor Wall mount
ZCA-CST	Outdoor Corner Mount Adapter
ZCA-PTDM	Outdoor Pole Mount Adapter
ZCA-SB-5.4	Indoor Smoke Bubble Cover
ZCA-SB-XT	Outdoor Smoke Bubble Cover
ZCA-CB	Connector Box (Video, Power, Alarm, RS485)
ZCA-DS	RS485 Line Distributor

Mounting Options

INDOOR FLUSH MOUNT
Model No. ZCA-TB200

INDOOR PENDANT MOUNT KIT
Model No. ZCA-IPA/ZCA-PMA-Q

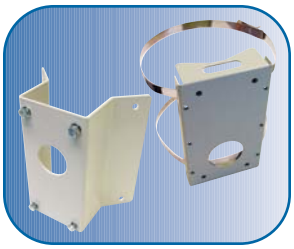
INDOOR WALL MOUNT KIT
Model No. ZCA-IPA/ZCA-GT200

OUTDOOR PENDANT MOUNT
Model No. ZCA-PMA-Q

OUTDOOR WALL MOUNT
Model No. ZCA-GT200

PTZ DOME & DVR CONTROLLER
Model ZCA-SC201

Accessories



MOUNTING BRACKETS
Corner Mount Adapter ZCA-CST
Pole Mount Adapter ZCA-PTDM

CONNECTOR & DISTRIBUTOR
Connector Box ZCA-CB
RS485 Line Distributor ZCA-DS

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ip cameras & servers

ZN-NH257N

Color Hi-Res Day/Night IP Camera

Combines MPEG-4 encoding and advanced CCTV video technology for a superior IP video surveillance solution. True mechanical Day/Night function and proprietary compression algorithm allow professional 24-hour real time remote monitoring and recording over Ethernet networks. Includes alarm, motion and sound detection, bi-directional audio interface, and additional BNC composite video out.

Video Standard:	MPEG-4
Resolution:	480 horizontal lines
Frame Rate:	30 fps max @ 640 x 240 HVGA/320 x 240 QVGA
Interface:	Audio In/Out, Sensor In/Out,RS485/232C
Power:	12VDC /10W
Dimension:	2.36"(W) x 2.13"(H) x 5.24"(D)
Weight:	14.1 oz / 400g

ZV-S201N

Single-Channel MPEG-4 Encoder

Single-channel MPEG-4 IP-based video encoder. Used with an analog CCTV camera, microphone, speaker, and alarm contacts, the ZV-S201N transmits video, audio, and alarm notifications over Ethernet networks, providing high quality real time video with sync audio at 30fps. The video encoder also has an RS-485 interface for PTZ control over the network.

Video Standard:	MPEG-4
Resolution:	640 x 240 HVGA/320 x 240 QVGA
Frame Rate:	30 fps max
Interface:	Audio In/Out, Sensor In/Out, RS485/232C
Power:	12VDC/4.5W
Dimension:	1.97"(W) x 2.88"(H) x 4.85"(D)
Weight:	12 oz /340g

ZNS-MRS Series Monitoring & Recording Software

For Use with ZN-NH257N & ZV-S201N

The **ZNS-MRS Series** is an NVR software solution for live monitoring, variable recording modes, and advanced search and playback, while recording up to 960fps.

The **ZNS-SMS4096** is a powerful system monitoring station software for live monitoring and remote playback. The ZNS-SMS4096 will allow up to 4,096-channel remote monitoring capacity over a network. All software features remote playback, playback of recorded images on other MRS machines, and allows flexibility and expandability for future system upgrades.

ZNS-MRS32:	32ch version (16ch x 2) 960fps Recording
ZNS-MRS18:	18ch version (9ch x 2) 540fps Recording
ZNS-MRS8:	8ch version (4ch x 2) 240fps Recording
ZNS-SMS4096:	4,096ch version (16ch x 256)
ZNS-MS4:	4ch free viewer

DDK-3000

Economical Single-Channel MPEG-4 Encoder

High-performance, low-cost video encoder provides instant network connectivity to any existing analog camera. Easy to deploy and configure, offers remote monitoring capabilities and fully-synchronized audio/video over LAN, WAN or internet. Looping video output functions seamlessly with any DVR- or VCR-based system and provides high-frame-rate, low-bandwidth viewing over ordinary broad-band connection.

Video Standard:	MPEG-4
Resolution:	Up to 10fps @ 704 x 480 Up to 30fps @ 352 x 240
Audio:	Single RCA mono audio input Data rate: 24Kps
Power:	12VDC/5.4W
Weight:	13oz./369g
Dimension:	4.0" (W) x 1.38" (H) x 6.0" (D)

pro-paks & outdoor kits

HWB-1 & HWB-2 PROPAK WITH OPTIONAL SUNSHIELD

HWB-3 ACCOMMODATES CAMERA/LENS COMBINATIONS UP TO 9" LONG.

WITH IR ILLUMINATOR
Requires mounting bracket. See Accessories page.

OPEN HOUSING SHOWS CAMERA & LENS

Pro-Pak Kits include housing, wall or ceiling bracket with pre-assembled GANZ camera and COMPUTAR varifocal lens. Pro-Pak kits can be ordered with a variety of B/W, Color or Day/Night cameras with manual or auto-iris varifocal lenses. All lenses are backfocused and five feet of outdoor rated power and video cable are included. Call for specific lens and camera packages.

HWB-1 & HWB-2

Outdoor Housings with Wall Brackets

Compact, attractive design for indoor or outdoor use. Slide-off cover provides full accessibility to camera. Optional sunshield (SS-1), ceiling bracket (JB-1), and pole mount adapter (PMA1). HWB-2 includes heater.

Dimensions:	95 (Dia.) x 277 (L) mm 3.75" (Dia.) x 10.9" (L)
Max Camera/ Lens Size:	2.7" (W) x 2.1" (H) x 7.75" (L)
Construction:	Aluminum housing & mount; polycarbonate end-caps; all stainless-steel hardware

HWB-3

Large Outdoor Housing with Heater/Blower

A larger version of our HWB-1 and HWB-2 provides extra room for larger cameras and includes a heater/blower for extreme weather environments. Includes wall bracket.

Dimensions:	107.95 (Dia.) x 419.1(L) mm 4.25" (Dia.) x 16.5"(L)
Construction:	Aluminum with stainless-steel hardware
Max Camera/ Lens Size:	2.8"(W) x 2.8"(H) x 9.0"(L)

Pro-Pak Kit Camera and Lens Options

Available with these featured cameras & lenses

Day/Night Camera Options

YC-02D/YCH-02B/03A	ZC-NH403N	ZC-NH255N
Color Digital Day/Night 330/480/540 Lines	Day/Night w/Mechanical shutter 480 Lines	Day/Night w/Mechanical shutter 480 Lines

Standard Camera Options

FC-62D/FCH-62	YC-02C/YCH02A
BW/Hi-Res BW 380/570 Lines	Color/Hi-Res Color 330/480 Lines

Manual and Auto-Iris Lens Options

2.8-12mm F1.3

3.5-8mm F1.4

3.5-10.5mm F1.0 IR Series

3.5-10.5mm F1.0

8.5-40mm F1.3 IR Series

5-50mm F1.3

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accessories

IRL Series

IR LED Illuminators

The IRL Series LED illuminators are available in 30° or 60° beam angles for medium-distance infrared illumination. 24VAC power input with photo cell. Perfect for 24-hour surveillance combined with our Pro-pak day/night kits.

IRL-83:	850 nm, 30º beam
IRL-86:	850 nm, 60º beam
IRL-UB:	Standard U bracket
IRL-PB:	Pro-pak housing bracket

Single Power Supplies

12VDC and 24VAC Power Supplies

Three models offer solutions to meet different installation requirements. The **C12DCR-500** provides 12volts regulated 500 milliamps output; the **C24AC** provides 24volts 20 vA output; and the **C24AC40** provides 24volts 40vA. The power supplies are UL-listed and plug into any 120 VAC duplex wall receptacle. For indoor use only.

CBF-1

Camera Back-Focusing Neutral Density Filter w/case

The CBF-1 Neutral Density Filter is used primarily to make the proper back focus adjustments when installing motorized zoom lenses. To assure that a zoom lens stays in focus throughout the zoom range, the camera must be backfocused when lens iris is wide open. The CBF-1 Neutral Density Filter is placed in front of the lens to keep the auto-iris open during adjustment. The filter is 4" x 4" square and made of glass—not plastic—and has an ND rating of 3.0. The CBF-1 filter is an essential tool for the professional installer. Protective case included.

CMB Series

Camera Mounting Brackets

Camera mounting brackets available in 6" or 4" sizes in your choice of black or off-white. Aluminum construction with removable shaft and t-bar ceiling clips.

CMB-1:	6" Bracket, Black
CMB-2:	6" Bracket, White
CMB-3:	4" Bracket, Black
CMB-4:	4" Bracket, White

VM300

View Finder/Lens Selector

A valuable tool for both the seasoned professional and first-time installer. The viewfinder is an optical tool to help determine the required focal length. First look through the eyepiece and zoom in to the desired image. Then read the required focal length on the lens barrel. Covers 2/3", 1/2", 1/3", and 1/4" formats. A protective case and neck strap are included.

PSM-02

2.5" Color TFT-LCD Portable Service Monitor

2.5" color high resolution TFT LCD display. Manually adjustable color and brightness controls. Operates about eight hours on six 'AA' alkaline batteries or can be used with plug-in transformer (supplied). Includes a hooded case with belt hook and sunshield.

System:	NTSC
Display Element:	High resolution, high color LCD (Active Matrix TFT)
Screen Size:	2.5"
Resolution:	230 (V) x 480 (H)
Inputs:	Video IN terminal (BNC) Video Through terminal (BNC)
Panel Adjustments:	Power ON-OFF, Brightness, Color
Power Supply:	9VDC; six AA Alkaline Batteries AC adapter included
Operating Temp:	32°–104° F (0°–40°C)
Dimensions:	82 (W) x 130 (H) x 4mm (D) 3.23"(W) x 5.12"(H) x 1.81"(D)
Weight:	11 ounces (300 grams)

PS Series

Multiple 24VAC Indoor Master Power Supplies

24VAC, UL-listed, 4-, 8-, and 16-output power supplies. 115VAC 50/60Hz, 1.8-amp. For indoor use only.

PS-411A:	4 Output	100vA
PS-811A:	8 Output	100vA
PS-821A:	8 Output	175vA
PS-1621A:	16 Output	200vA

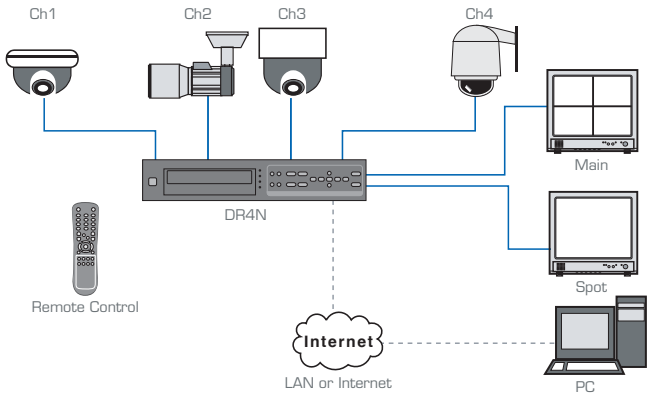
CBZ-24

Zoom Lens Controller

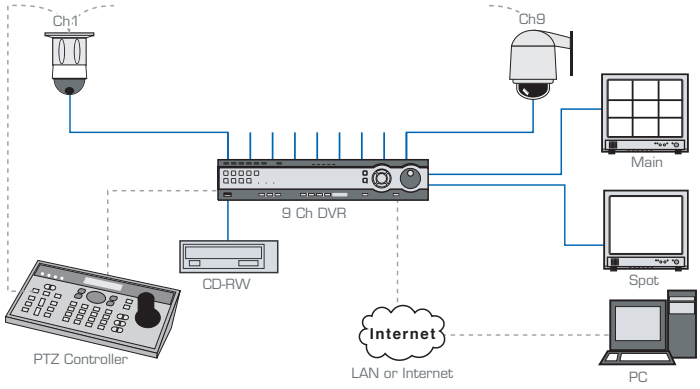
The CBZ-24 is designed to provide remote control for COMPUTAR's motorized zoom lenses for simple, hard-wire control applications. Fully solid-state electronics provide DC power to drive zoom, focus, and iris functions smoothly. Easy to use, the CBZ-24 features pan & tilt control functions, six zoom lens control functions, zoom lens control with polarity inversion or common ground power supply, 24VAC pan & tilt motion control.

Power Supply:	24VAC/60 Hz
Power Consumption:	4W
Max switching power:	45W
Operating temperature:	0ºC - 40º
Pan & tilt control voltage:	24VAC/60 Hz
Construction:	Extruded aluminum with rubber parts
Finish:	Coated epoxy powder
Dimensions:	115 x 190 x 50 mm 4.52" x 7.48" x 1.97"
Weight:	900g or 1.98 lbs.

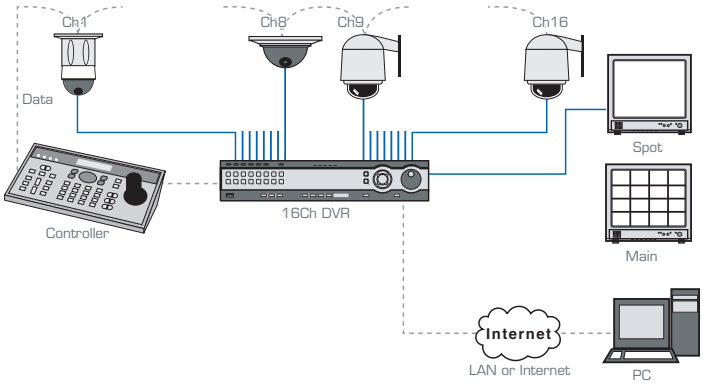
4-Channel PTZ Domes Duplex Digital Network System



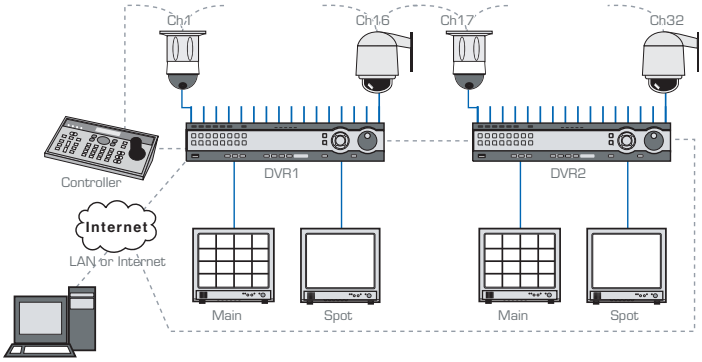
9-Channel PTZ Domes Triplex Digital Network System



16-Channel PTZ Domes Triplex Digital Network System



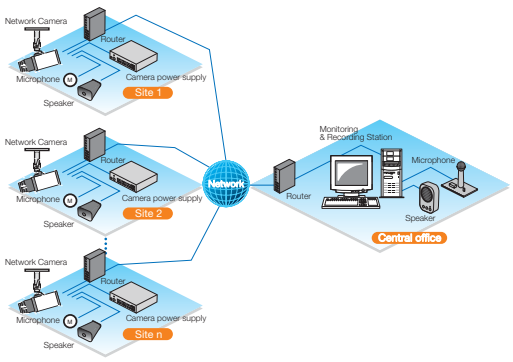
32-Channel PTZ Domes Triplex Digital Network System



* Up to 64 PTZ Domes and 4 DVRs

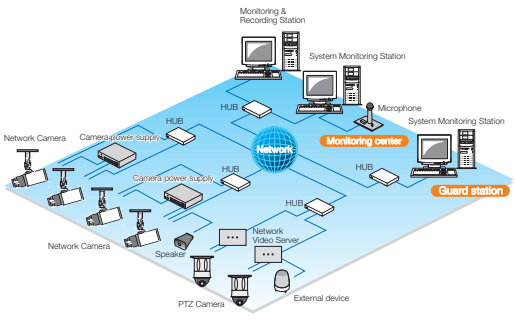
IP Network System

ZN-NH257N, ZV-S201N, ZNS-MRS Series



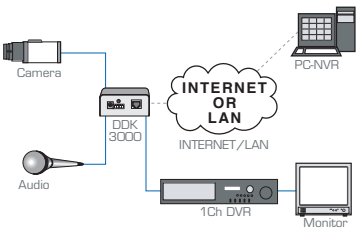
IP Network System (Large Scale)

ZN-NH257N, ZV-S201N, ZNS-MRS Series, ZNS-SMS4096



IP Network System

with DDK-3000



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computar varifocals

The Best Choice for GANZ CCTV Cameras

1.8-3.6mm

2.7-8mm

2.8-6mm

2.8-12mm

NEW

2.9-8.2mm

3.5-8mm

3.5-10.5mm

3.5-10.5mm IR

NEW

4-8mm MP

4.5-12.5mm IR

10-30mm

8.5-40mm IR

5-50mm

FOCAL LENGTH	F-STOP		FORMAT	HFOV	MANUAL IRIS	DC AUTO IRIS	VIDEO AUTO IRIS
STANDARD LENSES							
1.8 ~ 3.6mm	F1.6		1/3"	144.2° - 79.4°	T2Z1816CS	TG2Z1816FCS	TG2Z1816AFCS
2.7 ~ 8mm	F1.0*		1/3"	100.0° - 36.2°	T3Z2710CS	TG3Z2710FCS	TG3Z2710AFCS
2.8 ~ 6mm	F1.4	D/N	1/3"	96.0° - 47.2°	T2Z2814CS	TG2Z2814FCS	TG2Z2814AFCS
2.8 ~ 12mm	F1.3*		1/3"	98.2° - 23.8°	T4Z2813CS	TG4Z2813FCS	TG4Z2813AFCS
NEW 2.9 ~ 8.2mm	F1.0*		1/3"	98.2° - 35.2°	T3Z2910CS	TG3Z2910FCS	—
3.5 ~ 8mm	F1.4	D/N	1/3"	77.6° - 35.4°	T2Z3514CS	TG2Z3514FCS	TG2Z3514AFCS
3.5 ~ 10.5mm	F1.0*		1/3"	81.6° - 27.2°	T3Z3510CS	TG3Z3510FCS	TG3Z3510AFCS
NEW 4.0 ~ 8mm	F1.4	MP, CM	1/2"	90.4° - 47.0°	—	HG2Z0414FC-MP	—
4.5 ~ 12.5mm	F1.2*	D/N	1/2"	81.6° - 30.0°	H3Z4512CS	HG3Z4512FCS	HG3Z4512AFCS
10 ~ 30mm	F1.4	D/N	1/2"	35.8° - 12.5°	H3Z1014CS	HG3Z1014FCS	HG3Z1014AFCS
5 ~ 50mm	F1.3*		1/3"	51.8° - 5.6°	T1OZ0513CS	TG1OZ0513FCS	TG1OZ0513AFCS
INFRARED LENSES (for use with mechanical day/night cameras & IR illuminators)							
3.5 ~ 10.5mm	F1.0*	D/N, EDG	1/3"	81.8° - 27.2°	T3Z3510CS-IR	TG3Z3510FCS-IR	TG3Z3510AFCS-IR
4.5 ~ 12.5mm	F1.2*	D/N, EDG	1/2"	83.7° - 30.1°	H3Z4512CS-IR	HG3Z4512FCS-IR	HG3Z4512AFCS-IR
8.5 ~ 40mm	F1.3*	D/N, EDG	1/3"	33.5° - 7.1°	T5Z8513CS-IR	TG5Z8513FCS-IR	TG5Z8513AFCS-IR

*High-Speed Aspherical Lens. **D/N** - Day/Night Compatible Lenses. **EDG** - Extraordinary Dispersion Glass corrects color aberration and prevents focus shifting.
IR Technology corrects the aberrations of both visible and IR light, resulting in a crisp image.
MP Megapixel lens.
CM All lenses are CS-mounts except HG2Z0414FC-MP, which is a C-mount.

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computar GANZ

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